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ABSTRACT

A method of image-resolution enhancement employing partial-template matching, including storing at least a portion of an image, and selecting from the image a window comprising a plurality of adjacent line segments having pixels, the window including a target pixel. The method also includes comparing the pixels of the window with a template for a partial match, and responsive to a partial match being found, substituting an enhancement pixel for the target pixel. By allowing a partial match for enhancement instead of requiring a 100-percent match of the prior art, the method provides image-resolution enhancement for digital-image data having noise or other errors.